

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENTATTY. DOCKET NO.  
24736-2060SERIAL NO.  
09/139,386APPLICANT  
Monforte, J. A. *et al.*FILING DATE  
August 25, 1998GROUP  
1656 1637

SEP 20 2002

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	ITEM	DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
J.T.	A	4	1	3	9	3	4	6	02/13/79	Rabbani	422	56	11/28/77
	B	4	5	1	5	7	8	1	05/07/85	Torrence <i>et al.</i>	514	44	02/23/83
	C	4	5	8	2	7	8	9	04/15/86	Sheldon III <i>et al.</i>	435	6	12/18/84
	D	4	6	0	4	3	6	3	08/05/86	Newhouse <i>et al.</i>	436	177	10/18/84
	E	4	6	5	6	1	2	7	04/07/87	Mundy	435	6	04/23/84
	F	4	6	8	3	1	9	4	07/28/87	Saiki <i>et al.</i>	435	6	03/28/85
	G	4	6	8	3	1	9	5	07/28/87	Mullis <i>et al.</i>	435	6	02/07/86
	H	4	7	1	1	9	5	5	12/08/87	Ward <i>et al.</i>	536	25.32	05/23/83
	I	4	7	2	5	6	7	7	02/16/88	Köster <i>et al.</i>	536	27	06/18/85
	J	4	7	2	9	9	4	7	03/08/89	Middendorf <i>et al.</i>	435	6	03/29/84
	K	4	8	0	6	5	4	6	02/21/98	Carrico <i>et al.</i>	536	27	09/30/85
	L	4	8	8	2	1	2	7	11/21/89	Rosenthal <i>et al.</i>	422	50	11/12/87
	M	4	9	2	0	2	6	4	04/24/90	Becker	250	282	01/17/89
	N	4	9	9	8	6	1	7	03/12/91	Ladd, Jr. <i>et al.</i>	206	219	09/15/86
	O	5	0	0	3	0	5	9	03/26/91	Brennan	536	27	06/20/88
	P	5	0	5	9	6	5	4	10/22/91	Hou <i>et al.</i>	525	54.1	02/16/89
	Q	5	0	6	2	9	3	5	11/05/91	Schlag <i>et al.</i>	204	157.41	03/21/89
	R	5	0	6	4	7	5	4	11/12/91	Mills	435	6	11/13/87
	S	5	1	1	8	9	3	7	06/02/92	Hillenkamp <i>et al.</i>	250	282	08/21/90
	T	5	1	3	5	8	7	0	08/04/92	Williams <i>et al.</i>	436	173	06/01/90
	U	5	1	4	3	8	5	4	09/01/92	Pirrung <i>et al.</i>	436	518	03/07/90
	V	5	1	4	9	6	2	5	09/22/92	Church <i>et al.</i>	435	6	03/28/90
J.T.	W	5	1	7	5	2	0	9	12/29/92	Beattie <i>et al.</i>	525	54.11	01/31/91

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Title: **PRIMERS USEFUL FOR SIZING NUCLEIC ACIDS**

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FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 24736-2060	SERIAL NO. 09/139,386
	APPLICANT Monforte, J. A. <i>et al.</i>	
	FILING DATE August 25, 1998	GROUP <del>1656</del> 1632

IT	X	5	1	9	8	5	4	0	03/30/93	Köster	536	25.3	06/25/84
	Y	5	2	1	0	4	1	2	05/11/93	Levis <i>et al.</i>	250	288	01/31/91
	Z	5	2	2	1	5	1	8	06/22/93	Mills	422	62	08/13/91
	AA	5	2	3	7	0	1	6	08/17/93	Ghosh <i>et al.</i>	525	329.4	01/05/89
	AB	5	2	4	2	9	7	4	09/07/93	Holmes	525	54.11	11/22/91
	AC	5	2	8	8	6	4	4	02/22/94	Beavis <i>et al.</i>	436	94	11/13/92
	AD	5	3	0	0	7	7	4	04/05/94	Buttrill	250	287	04/25/91
	AE	5	3	3	8	6	8	8	08/16/94	Deeg <i>et al.</i>	436	180	02/19/93
	AF	5	3	5	0	6	7	6	09/27/94	Oberhardt <i>et al.</i>	435	13	05/17/93
	AG	5	3	6	4	7	6	0	11/15/94	Chu <i>et al.</i>	435	6	09/22/92
	AH	5	3	7	6	7	8	8	12/27/94	Standing <i>et al.</i>	250	287	05/26/93
	AI	5	3	8	0	8	3	3	01/10/95	Urdea	536	22.1	12/13/91
	AJ	5	4	0	3	7	1	1	04/04/95	Walder <i>et al.</i>	435	6	06/06/93
	AK	5	4	2	7	9	2	9	06/27/95	Richards <i>et al.</i>	435	91.2	05/03/93
	AL	5	4	3	6	1	4	3	07/25/95	Hyman	435	91.2	12/23/92
IT	AM	5	4	5	9	0	3	9	10/17/95	Modrich <i>et al.</i>	435	6	03/18/94
" "	AN	5	4	8	4	7	0	1	01/16/96	Cocuzza <i>et al.</i>	435	6	01/31/92
J-T	AO	5	4	9	2	8	0	6	02/20/96	Drmanac <i>et al.</i>	435	5	04/12/93
	AP	5	4	9	8	5	4	5	03/12/96	Vestal	436	47	07/21/94
	AQ	5	5	0	3	9	8	0	04/02/96	Cantor	435	6	10/17/94
	AR	5	5	0	6	3	4	8	04/09/96	Pieles	536	23.1	02/24/94
	AS	5	5	0	8	1	6	9	04/16/96	Deugau <i>et al.</i>	435	6	10/28/94
	AT	5	5	1	2	2	9	5	04/30/96	Kornberg <i>et al.</i>	424	450	11/10/94
	AU	5	5	1	2	4	3	9	04/30/96	Hornes <i>et al.</i>	435	6	07/06/94
	AV	5	5	1	4	5	4	8	50/07/96	Krebber <i>et al.</i>	435	6	02/17/94
J-T	AW	5	5	2	5	4	6	4	06/11/96	Drmanac <i>et al.</i>	435	6	02/28/94

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FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 24736-2060	SERIAL NO. 09/139,386
	APPLICANT Monforte, J. A. <i>et al.</i>	
	FILING DATE August 25, 1998	GROUP <del>1656</del> 1637

I-T	AX	5	5	2	7	6	7	5	06/18/96	Coull <i>et al.</i>	435	6	08/20/93
	AY	5	5	3	8	8	9	7	07/23/96	Yates <i>et al.</i>	436	89	03/14/94
	AZ	5	5	4	7	8	3	5	08/20/96	Köster	435	6	01/06/94
J-T	BA	5	5	7	1	6	6	9	11/05/96	Lu <i>et al.</i>	435	6	01/14/93
	BB	5	5	7	1	6	7	6	11/05/96	Shuber	435	6	06/07/95
	BC	5	5	8	0	4	3	4	12/03/96	Northrup <i>et al.</i>	422	102	06/20/95
	BD	5	5	8	0	7	3	2	12/03/96	Grossman <i>et al.</i>	435	6	08/26/94
	BE	5	5	8	0	7	3	3	12/03/96	Levis <i>et al.</i>	435	6	09/06/94
	BF	5	5	8	9	1	3	6	12/31/96	Northrup <i>et al.</i>	422	102	06/20/95
	BG	5	5	9	3	8	2	6	01/14/97	Fung <i>et al.</i>	435	6	04/16/93
	BH	5	6	0	1	9	8	2	02/11/97	Sargent <i>et al.</i>	435	6	02/07/95
	BI	5	6	0	5	6	6	2	02/25/97	Heller	422	68.1	11/01/93
	BJ	5	6	0	5	7	9	8	02/25/97	Köster	435	6	03/17/95
	BK	5	6	0	9	9	0	7	03/11/97	Natan	427	2.12	09/20/95
	BL	5	6	2	2	8	2	4	04/22/97	Köster <i>et al.</i>	435	6	02/10/95
	BM	5	6	2	2	8	2	9	04/22/97	King <i>et al.</i>	435	6	04/19/95
	BN	5	6	3	1	1	3	4	05/20/98	Cantor	435	6	06/05/95
K-T	BO	5	6	4	1	8	6	2	06/24/97	Rutter <i>et al.</i>	530	334	03/29/95
	BP	5	6	4	3	8	0	0	07/01/97	Tarantino <i>et al.</i>	436	518	09/21/95
	BQ	5	6	5	0	4	8	9	07/22/97	Lam <i>et al.</i>	530	334	06/19/91
	BR	5	6	5	4	1	5	0	08/05/97	King <i>et al.</i>	435	6	06/07/95
	BS	5	6	6	3	2	4	2	09/02/92	Ghosh <i>et al.</i>	525	329.4	03/31/95
	BT	5	6	7	0	3	2	2	09/23/97	Eggers <i>et al.</i>	435	6	06/01/95
	BU	5	6	7	0	3	8	1	09/23/97	Jou <i>et al.</i>	436	518	05/08/95
	BV	5	6	7	7	1	9	5	10/14/97	Winkler <i>et al.</i>	436	518	11/20/92
J-T	BW	5	6	8	8	6	4	2	11/18/97	Chrisey <i>et al.</i>	435	6	12/01/94

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	APPLICANT Monforte, J. A. <i>et al.</i>	
	FILING DATE August 25, 1998	GROUP <del>1656</del> 1637

IT	BX	5	6	9	1	1	4	1	11/25/97	Köster <i>et al.</i>	435	6	06/06/95
	BY	5	6	9	5	9	4	0	12/09/97	Drmanac <i>et al.</i>	435	6	06/05/95
	BZ	5	7	0	0	6	4	2	12/23/97	Monforte <i>et al.</i>	435	6	05/22/95
	CA	5	7	1	0	0	2	8	01/20/98	Eyal <i>et al.</i>	435	91.1	10/04/94
	CB	5	7	1	6	8	2	5	02/10/98	Hancock <i>et al.</i>	435	286.5	11/01/95
	CC	5	7	6	0	3	9	3	06/02/98	Vestal <i>et al.</i>	250	282	10/17/96
	CD	5	7	6	2	8	7	6	06/09/98	Lincoln <i>et al.</i>	422	67	12/22/94
	CE	5	7	7	0	3	6	7	06/23/98	Southern <i>et al.</i>	435	6	02/05/96
	CF	5	7	7	0	8	6	0	06/23/98	Franzen	250	288	07/10/97
	CG	5	7	7	7	3	2	4	07/07/98	Hillenkamp	250	288	09/19/96
	CH	5	7	9	5	7	1	4	08/18/98	Cantor <i>et al.</i>	435	6	08/23/93
	CI	5	8	0	7	5	2	2	09/15/98	Brown <i>et al.</i>	422	50	06/07/95
	CJ	5	8	2	1	0	6	3	10/13/98	Patterson <i>et al.</i>	435	6	04/18/97
	CK	5	8	2	8	0	6	3	10/27/98	Köster <i>et al.</i>	250	288	04/02/97
	CL	5	8	3	0	6	5	5	11/3/98	Monforte <i>et al.</i>	435	6	04/26/96
	CM	5	8	3	4	1	8	9	11/10/98	Stevens <i>et al.</i>	435	6	12/22/95
	CN	5	8	4	6	7	1	0	12/08/98	Bajaj	435	6	08/06/93
	CO	5	8	4	6	7	1	7	12/08/98	Brow <i>et al.</i>	435	6	01/24/96
	CP	5	8	5	1	7	6	5	12/22/98	Köster	435	6	05/30/95
	CQ	5	8	5	3	9	8	9	12/29/98	Jeffreys <i>et al.</i>	435	6	05/06/96
	CR	5	8	5	4	4	8	6	12/29/98	Dreyfus	250	288	12/27/96
	CS	5	8	5	6	0	9	2	01/05/99	Dale <i>et al.</i>	435	6	04/27/95
	CT	5	8	6	4	1	3	7	01/26/99	Becker <i>et al.</i>	250	287	10/01/96
	CU	5	8	6	9	2	4	0	02/09/99	Patterson	435	6	05/19/95
	CV	5	8	6	9	2	4	2	02/09/99	Kamb	435	6	09/18/95
IT	CW	5	8	7	2	0	0	3	02/16/99	Köster	435	283.1	05/30/95

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	APPLICANT Monforte, J. A. <i>et al.</i>	
	FILING DATE August 25, 1998	GROUP <del>4656</del> 1637

J. T	CX	5	8	7	6	9	3	4	03/02/99	Duthie <i>et al.</i>	435	6	12/18/96
	CY	5	8	8	5	7	7	5	03/23/99	Haff <i>et al.</i>	435	6	10/04/96
	CZ	5	8	8	8	8	1	9	03/30/99	Goelet <i>et al.</i>	435	5	03/05/91
	DA	5	8	9	4	0	6	3	04/13/99	Hutchens <i>et al.</i>	436	155	01/17/97
	DB	5	9	0	0	4	8	1	05/04/99	Lough <i>et al.</i>	536	55.3	11/06/96
	DC	5	9	0	8	7	5	5	06/01/99	Kumar <i>et al.</i>	435	6	10/15/97
	DD	5	9	1	2	1	1	8	06/15/99	Ansorge <i>et al.</i>	435	6	08/03/92
	DE	5	9	2	5	5	2	0	07/20/99	Tully <i>et al.</i>	435	6	02/14/97
	DF	5	9	2	8	9	0	6	07/27/99	Köster <i>et al.</i>	435	91.2	05/09/96
	DG	5	9	4	8	6	5	3	09/07/99	Pati <i>et al.</i>	435	6	08/13/97
	DH	5	9	5	2	1	7	4	09/14/99	Nikiforov <i>et al.</i>	435	6	09/15/97
	DI	5	9	6	5	3	6	3	10/12/99	Monforte <i>et al.</i>	435	6	12/02/96
	DJ	5	9	6	9	3	5	0	10/19/99	Kerley <i>et al.</i>	250	287	03/17/98
	DK	5	9	7	6	7	9	8	11/02/99	Parker <i>et al.</i>	435	6	02/28/97
	DL	5	9	7	6	8	0	2	11/02/99	Ansorge <i>et al.</i>	435	6	04/26/96
	DM	5	9	8	1	1	8	6	11/09/99	Gabe <i>et al.</i>	435	6	07/14/97
	DN	5	9	8	5	3	5	6	11/16/99	Schultz <i>et al.</i>	427	8	10/18/94
	DO	5	9	9	8	1	4	3	12/07/99	Ellis <i>et al.</i>	435	6	12/05/97
	DP	6	0	0	1	5	6	7	12/14/99	Brow <i>et al.</i>	435	6	07/12/96
	DQ	6	0	0	4	7	4	4	12/21/99	Goelet <i>et al.</i>	435	5	10/11/91
	DR	6	0	1	3	4	3	1	01/11/00	Söderlund <i>et al.</i>	435	5	12/02/93
	DS	6	0	1	7	7	0	2	01/25/00	Lee <i>et al.</i>	435	6	01/21/97
	DT	6	0	1	8	0	4	1	01/25/00	Drmanac <i>et al.</i>	536	24.3	07/29/97
	DU	6	0	2	2	6	8	8	02/08/00	Jurinke <i>et al.</i>	435	6	05/13/96
	DV	6	0	2	4	9	2	5	02/15/00	Little <i>et al.</i>	422	100	01/23/97
J. Tug	DW	6	0	2	5	1	3	6	02/15/00	Drmanac	435	6	08/28/97

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	FILING DATE August 25, 1998	GROUP 1656

J. T	DX	6	0	2	7	8	9	0	02/22/00	Ness <i>et al.</i>	435	6	07/22/97
" "	DY	6	0	3	0	7	7	8	02/29/00	Acton <i>et al.</i>	435	6	07/10/97
" "	DZ	6	0	4	0	1	9	3	03/21/00	Winkler <i>et al.</i>	436	180	08/04/98
" "	EA	6	0	4	3	0	3	1	03/28/00	Köster <i>et al.</i>	435	6	03/18/96
" "	EB	6	0	4	6	0	0	5	04/04/00	Ju <i>et al.</i>	435	6	09/16/98
" "	EC	6	0	5	1	3	7	8	04/18/00	Monforte <i>et al.</i>	435	6	03/04/97
" "	ED	6	0	5	4	2	7	6	04/25/00	Macevycz	435	6	02/23/98
" "	EE	6	0	7	4	8	2	3	06/13/00	Köster	435	6	11/06/96
" "	EF	6	0	7	4	8	5	3	06/13/00	Pati <i>et al.</i>	435	91.1	08/14/98
" "	EG	6	0	8	7	0	9	5	07/11/00	Rosenthal <i>et al.</i>	435	6	04/22/93
" "	EH	6	0	9	0	5	5	8	07/18/00	Butler <i>et al.</i>	435	6	09/18/98
" "	EI	6	1	0	4	0	2	8	08/15/00	Hunter <i>et al.</i>	250	288	05/29/98
" "	EJ	6	1	1	0	4	2	6	08/29/00	Shalon <i>et al.</i>	422	68.1	12/30/97
" "	EK	6	1	1	1	2	5	1	08/29/00	Hillenkamp	250	288	09/19/97
" "	EL	6	1	1	7	6	3	4	09/12/00	Langmore <i>et al.</i>	435	6	03/06/97
" "	EM	6	1	2	1	0	4	8	09/19/00	Zaffaroni <i>et al.</i>	436	45	10/18/94
" "	EN	6	1	3	2	7	2	4	10/17/00	Blum	424	725	04/29/98
" "	EO	6	1	3	3	4	3	6	10/17/00	Köster <i>et al.</i>	536	24.3	09/19/97
" "	EP	6	1	3	6	2	6	9	10/24/00	Winkler <i>et al.</i>	422	61	04/21/95
" "	EQ	6	1	4	0	0	4	5	10/31/00	Wohlstadter <i>et al.</i>	435	6	03/06/97
" "	ER	6	1	4	0	0	5	3	10/31/00	Köster	435	6	09/25/98
" "	ES	6	1	4	6	8	5	4	11/14/00	Köster <i>et al.</i>	435	91.1	08/31/95
" "	ET	6	1	5	6	5	0	1	12/05/00	McGall <i>et al.</i>	435	6	04/03/96
" "	EU	6	1	9	4	1	4	4	B1 02/27/01	Köster	435	6	03/18/96
" "	EV	6	1	9	7	4	9	8	B1 03/06/01	Köster	435	5	03/17/95

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J. T	EW	6	2	0	0	8	1	2	03/13/01	Pati <i>et al.</i>	435	463	04/08/99
" "	EX	6	2	0	7	3	7	0	B1 03/27/01	Little <i>et al.</i>	435	6	09/02/97
" "	EY	6	2	2	1	6	0	1	B1 04/24/01	Köster <i>et al.</i>	435	6	11/02/99
" "	EZ	6	2	2	1	6	0	5	B1 04/24/01	Köster	435	6	02/15/00
" "	FA	6	2	2	5	0	6	1	05/01/01	Becker <i>et al.</i>	435	6	03/10/99
" "	FB	6	2	2	5	4	5	0	05/01/01	Köster	536	22.1	06/07/95
" "	FC	6	2	3	5	4	7	8	B1 05/22/01	Köster	435	6	04/06/99
J. T	FD	6	2	3	8	8	7	1	B1 05/29/01	Köster	435	6	05/08/00
" "	FE	6	2	5	8	5	3	8	B1 07/10/01	Köster <i>et al.</i>	435	6	04/06/99
" "	FF	6	2	6	5	7	1	6	B1 07/24/01	Hunter <i>et al.</i>	250	288	02/29/00
" "	FG	6	2	6	8	1	3	1	B1 07/31/01	Kang <i>et al.</i>	435	6	12/15/97
" "	FH	6	2	7	7	5	7	3	B1 08/21/01	Köster	435	6	04/06/99
" "	FI	6	3	0	0	0	7	6	B1 10/09/01	Köster	435	6	01/31/00
" "	FJ	6	3	0	3	3	0	9	B1 10/16/01	Jurinke <i>et al.</i>	435	6	06/21/99
" "	FK	6	3	2	2	9	7	0	B1 11/27/01	Little <i>et al.</i>	435	6	09/02/98

\*English language Derwent Abstracts are provided.

+ English language equivalents are provided.

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	ITEM	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	Translation	
		0	0	5	1	0	5	3					Yes	No
J. T	FL	0	0	5	1	0	5	3	31/Aug/00	PCT	—	—		
" "	FM	0	0	5	6	4	4	6	28/Sep/00	PCT	—	—		

EXAMINER

*Steve T.*

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11/21/2002

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Dated: February 4, 2002 - replacement copies

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	APPLICANT Monforte, J. A. <i>et al.</i>	
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													Yes	No
JT	FN	0	0	5	8	5	1	9	05/Oct/00	PCT	—	—		
" "	FO	0	0	6	0	3	6	1	12/Oct/00	PCT	—	—		
JT	FP	0	8	2	8	8	5	5	15/Dec/99	EPO	—	—		
JT	FQ	0	2	6	9	5	2	0	01/Jun/88	EP A2	—	—		X*
	FR	0	3	6	0	6	7	6	28/Mar/90	EP A1	—	—		X*
	FS	0	3	6	0	6	7	7	28/Mar/90	EP B1	—	—		X*
	FT	0	4	1	2	8	8	3	13/Feb/91	EP A1	—	—	X	
	FU	0	5	9	3	7	8	9	27/Apr/94	EP A1	—	—	X	
	FV	0	6	4	8	2	8	0	12/May/99	EP B1	—	—	✓	
JT	FW	0	6	5	5	5	0	1	31/May/95	EP A1	—	—	✓	
	FX	0	6	8	3	2	3	4	22/Nov/95	EP	—	—	X	
	FY	0	7	0	1	0	0	1	13/Mar/96	EP A2	—	—	X	
	FZ	0	7	7	1	0	1	9	02/May/97	EP	—	—	X	
	GA	0	7	8	5	2	7	8	23/Jul/97	EP	—	—	X	
	GB	1	9	6	1	7	0	11	27/Apr/96	DE	—	—		X+
	GC	1	9	6	1	8	0	32	13/Nov/97	DE	—	—		X+
	GD	1	9	6	2	8	1	78	12/Jul/96	DE	—	—		X*
	GE	1	9	7	3	1	4	79	06/Aug/98	DE	—	—		X*
	GF	1	9	7	5	4	9	78	11/Dec/97	DE	—	—		X+
	GG	2	0	1	7	1	0	5	20/Mar/79	UK	—	—		
	GH	2	2	1	5	3	9	9	28/Aug/90	JP	—	—		X*
	GI	2	2	3	3	6	5	4	16/Jan/91	GB	—	—		
	GJ	2	3	3	2	2	7	3	16/Jun/99	GB	—	—		
	GK	2	2	6	0	8	1	1	28/Apr/93	GB	—	—		
JT	GL	2	3	1	2	7	8	2	05/Nov/97	UK	—	—		

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J. A. Monforte

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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	ITEM	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	Translation	
													Yes	No
JT	GM	2	3	3	2	2	7	3	16/Jun/99	UK	—	—		
	GN	3	9	3	0	3	1	2	26/Apr/90	DE	—	—		X*
	GO	4	0	1	1	9	9	1	18/Oct/90	DE	—	—		X*
	GP	4	1	7	8	3	5	9	25/Jun/92	JP	—	—		X*
	GQ	4	4	3	1	1	7	4	07/Mar/96	DE A1	—	—		X*
	GR	4	4	3	8	6	3	0	02/May/96	DE A1	—	—		X*
	GS	6	2	9	4	7	9	6	21/Oct/94	JP A	—	—	X	
J-T	GT	6	3	2	3	0	0	86	26/Sep/88	JP A	—	—		X*
" "	GU	8	5	0	2	9	0	7	04/Jul/85	PCT	—	—		
" "	GV	8	5	0	4	6	7	4	24/Oct/85	PCT	—	—		
" "	GW	8	8	0	0	2	0	1	14/Jan/88	PCT	—	—		
" "	GX	8	8	1	0	3	1	5	29/Dec/88	PCT	—	—		
" "	GY	8	9	0	3	4	3	2	20/Apr/89	PCT A1	C12Q	1/68		
" "	GZ	8	9	0	6	7	0	0	27/Jul/89	PCT A1	—	—		
" "	HA	8	9	0	7	1	4	9	10/Aug/89	PCT	—	—		
" "	HB	8	9	0	9	2	8	2	05/Oct/89	PCT	—	—		
" "	HC	8	9	1	2	6	2	4	28/Dec/89	PCT	—	—		
" "	HD	8	9	1	2	6	9	4	28/Dec/89	PCT	—	—		
" "	HE	9	0	0	1	5	6	4	22/Feb/90	PCT	—	—		
" "	HF	9	0	0	3	3	8	2	05/Apr/90	PCT	—	—		
" "	HG	9	0	0	7	5	8	2	12/Jul/90	PCT	—	—		
" "	HH	9	0	1	4	1	4	8	29/Nov/90	PCT	—	—		
" "	HI	9	0	1	5	8	8	3	27/Dec/90	PCT	—	—		
" "	HJ	9	1	0	2	0	8	7	21/Feb/91	PCT	—	—		X*
" "	HK	9	1	0	6	6	7	8	16/May/91	PCT	—	—		

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*Jojo Tr*

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													Yes	No
J.T	HL	9	1	1	1	5	3	3	10/Jan/91	PCT	—	—		
" "	HM	9	1	1	3	0	7	5	05/Sep/91	PCT	—	—		
" "	HN	9	1	1	5	6	0	0	17/Oct/91	PCT	—	—		
" "	HO	9	2	0	3	5	7	5	05/Mar/92	PCT	—	—		
" "	HP	9	2	1	3	6	2	9	20/Aug/92	PCT	—	—		
" "	HQ	9	2	1	5	7	1	2	17/Sep/92	PCT	—	—		
" "	HR	9	3	0	6	9	2	5	15/Apr/93	PCT	—	—		
" "	HS	9	3	0	9	6	6	8	27/May/93	PCT	—	—		
" "	HT	9	3	2	0	2	3	6	14/Oct/93	PCT	—	—		
" "	HU	9	3	2	3	5	6	3	25/Oct/93	PCT A1	—	—		
" "	HV	9	3	2	4	8	3	4	09/Dec/93	PCT	—	—		
" "	HW	9	4	0	0	5	6	2	06/Jan/94	PCT	—	—		
" "	HX	9	4	1	1	5	3	0	26/May/94	PCT	—	—		
" "	HY	9	4	1	6	1	0	1	21/Jul/94	PCT	—	—		
" "	HZ	9	4	2	1	8	2	2	29/Sep/94	PCT	—	—		
" "	IA	9	4	2	8	4	1	8	08/Dec/94	PCT	—	—		
" "	IB	9	5	0	7	3	6	1	16/Mar/95	PCT	—	—		X*
" "	IC	9	5	1	3	3	8	1	18/May/95	PCT	—	—		
" "	ID	9	5	1	3	5	3	8	18/May/95	PCT	—	—		
" "	IE	9	5	1	5	4	0	0	08/Jun/95	PCT	—	—		
" "	IF	9	5	2	5	7	3	7	28/Sep/95	PCT	—	—		
" "	IG	9	5	3	1	4	2	9	23/Nov/95	PCT	—	—		
" "	IH	9	6	0	5	3	2	3	22/Feb/96	PCT	—	—		X*
" "	II	9	6	1	0	6	4	8	11/Apr/96	PCT A2	—	—		
" "	IJ	9	6	1	4	4	0	6	17/May/96	PCT	—	—		

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		9	6	1	5	2	6	2					Yes	No
J.T	IK	9	6	1	5	2	6	2	23/May/96	PCT A2	7	1		
" "	IL	9	6	1	7	0	8	0	6/Jun/96	PCT A1	1	1		
" "	IM	9	6	2	7	6	8	1	12/Sep/96	PCT	1	1		
" "	IO	9	6	2	9	4	3	1	26/Sep/96	PCT	1	1		
" "	IP	9	6	3	0	5	4	5	03/Oct/96	PCT	1	1		
" "	IQ	9	6	3	2	5	0	4	17/Oct/96	PCT	1	1		
" "	IR	9	6	3	6	7	3	1	21/Nov/96	PCT	1	1		
" "	IS	9	6	3	6	7	3	2	21/Nov/96	PCT	1	1		
" "	IT	9	6	3	6	9	8	6	21/Nov/96	PCT (A1)	1	1		
" "	IU	9	6	3	6	9	8	7	21/Nov/96	PCT	1	1		
" "	IV	9	6	3	7	6	3	0	28/Nov/96	PCT	1	1		
" "	IW	9	6	3	9	4	3	7	12/Dec/96	PCT	1	1		
" "	IX	9	7	0	8	3	0	6	06/Mar/97	PCT	1	1		
" "	IY	9	7	1	9	1	1	0	29/May/97	PCT	1	1		
" "	IZ	9	7	3	3	0	0	0	12/Sep/97	PCT	1	1		
" "	JA	9	7	3	7	0	4	1	09/Oct/97	PCT				
" "	JB	9	7	4	0	4	6	2	30/Oct/97	PCT				
" "	JC	9	7	4	2	3	4	8	13/Nov/97	PCT				
" "	JD	9	7	4	3	6	1	7	20/Nov/97	PCT				
" "	JE	9	8	0	3	2	5	7	29/Jan/98	PCT			X	
" "	JF	9	8	1	1	2	4	9	19/Mar/98	PCT				
" "	JG	9	8	1	2	3	5	5	26/Mar/98	PCT				
" "	JH	9	8	1	2	7	3	4	26/Mar/98	PCT				
" "	JI	9	8	1	4	9	8	2	09/Apr/98	PCT				
" "	JJ	9	8	1	9	5	7	8	18/Sep/98	PCT				

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													Yes	No
JT	JK	9	8	2	0	0	1	9	14/May/98	PCT	—	—		
" "	JL	9	8	2	0	0	2	0	14/May/98	PCT	—	—		
JT	JM	9	8	2	0	1	6	6	14/May/98	PCT	—	—		
" "	JN	9	8	2	3	2	8	4	04/Jun/98	PCT	—	—		
" "	JO	9	8	2	4	9	3	5	11/Jun/98	PCT	—	—		
" "	JP	9	8	2	6	0	9	5	18/Jun/98	PCT	—	—		
" "	JQ	9	8	3	0	8	8	3	16/Jul/98	PCT	—	—		
" "	JR	9	8	3	3	0	5	2	30/Jul/98	PCT	—	—		
" "	JS	9	8	3	3	8	0	8	06/Aug/98	PCT	—	—		
" "	JT	9	8	3	5	6	0	9	20/Aug/98	PCT	—	—		
" "	JU	9	8	5	4	5	7	1	03/Dec/98	PCT	—	—		
" "	JV	9	8	5	4	7	5	1	03/Dec/98	PCT	—	—		
" "	JW	9	8	5	6	9	5	4	17/Dec/98	PCT	—	—		
" "	JX	9	9	0	5	3	2	3	04/Feb/99	PCT	—	—		
" "	JY	9	9	0	9	2	1	8	25/Feb/99	PCT	—	—		
" "	JZ	9	9	1	2	0	4	0	11/Mar/99	PCT	G01N	33/68		
" "	KA	9	9	1	4	3	7	5	25/Mar/99	PCT(A2,A3)	—	—		
" "	KB	9	9	3	1	2	7	8	24/Jun/99	PCT	—	—		
" "	KC	9	9	5	7	3	1	8	11/Nov/99	PCT	—	—		

\* An English Derwent Abstract is provided.

+ An English Equivalent Patent is provided.

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

JT	KD	"Time of Flight Mass Spectrometry of DNA for Rapid Sequence Determination. Technical Progress Report, July 31, 1991 -- July 31, 1992" Arizona State University, Tempe, AZ (1992).
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EXAMINER

*John Z*

DATE CONSIDERED

*11/2/99*

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## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

37	KE	Adler <i>et al.</i> , "Cell Membrane Coating with Glutaraldehyde: Application to a Versatile Solid-Phase Assay for Thyroid Membrane Proteins and Molecules Interacting with Thyroid Membranes", <i>Anal. Biochem.</i> , <u>148</u> :320-327 (1985).
" 4	KF	Ali, S. and Wallace, R. B., "Intrinsic polymorphism of variable number tandem repeat loci in the human genome", <i>Nucl. Acids Res.</i> , <u>16</u> :8487-8496 (1988).
" 1'	KG	Andersen, <i>et al.</i> , "Electrospray ionization and matrix assisted laser desorption/ionization mass spectrometry: Powerful analytical tools in recombinant protein chemistry", <i>Nature Biotech.</i> , <u>14</u> :449-457 (1996).
" "	KH	Ardrey, "Electrospray mass spectrometry", <i>Spectroscopy Europe</i> , <u>4</u> : pgs.10, 12, 14, 16, 18, 20 (1992).
" "	KI	Arlinghaus <i>et al.</i> , "Applications of resonance ionization spectroscopy for semiconductor, environmental and biomedical analysis, and for DNA sequencing", <i>SPIE, Opt. Methods Ultrasensitive Detect. Anal. Tech. Appl.</i> , <u>1435</u> :26-35 (1991).
" "	KJ	Bains, "DNA Sequencing By Mass Spectrometry: Outline Of A Potential Future Application", <i>Chimicaoggi</i> , <u>9</u> :13-16 (1991).
" 1/	KK	Bains, "Setting a Sequence to Sequence a Sequence", <i>Biotechnol.</i> , <u>10</u> :757-758 (1992).
" 1/	KL	Barany F., "Genetic disease detection and DNA amplification using cloned thermostable ligase", <i>Proc. Natl. Acad. Sci.</i> , <u>88</u> :189-193 (1991).
" 1/	KM	Barrell B., "DNA sequencing: present limitations and prospects for the future", <i>FASEB Journal</i> , <u>5</u> :40-45 (1991).
" 1/	KN	Batista-Viera <i>et al.</i> , "A new method for reversible immobilization of thiol biomolecules based on solid-phase bound thiol-sulfonate groups," <i>App. Biochem and Biotech</i> , <u>31</u> :175-195 (1991).
" 1/	KO	Beck <i>et al.</i> , "Chemiluminescent detection of DNA: application for DNA sequencing and hybridization", <i>Nucl. Acids Res.</i> , <u>17(13)</u> :5115-5123 (1989).
" "	KP	Benner <i>et al.</i> , "Identification of Denatured Double-stranded DNA by Matrix-assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry", <i>Rapid Commun. Mass Spectrom.</i> , <u>9</u> :537-540 (1995).
" 1/	KQ	Braun, A. <i>et al.</i> , "Molecular analysis of the gene for the human vitamin-D-binding protein (group-specific component): allelic differences of the common genetic GC types", <i>Hum. Genet.</i> , <u>89</u> :401-406 (1992).

EXAMINER



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## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

JF	KR	Braun <i>et al.</i> , "Improved Analysis of Microsatellites Using Mass Spectrometry", <i>Genomics</i> , <u>46</u> :18-23 (1997).
u y	KS	Braun <i>et al.</i> , "Detecting <i>CFTR</i> gene mutations by using primer oligo base extension and mass spectrometry", <i>Clinical Chemistry</i> , <u>43(7)</u> :1151-1158 (1997).
u y	KT	Brennan <i>et al.</i> , "New Methods To Sequence DNA By Mass Spectrometry", <i>SPIE New Technol. Cytom. Mol. Biol.</i> , <u>1206</u> :60-67 (1990).
u y	KU	Broude <i>et al.</i> , "Enhanced DNA sequencing by hybridization (streptavidin/biotin/stacking interaction/T4 DNA ligase/DNA polymerase)", <i>Proc. Natl. Acad. Sci. USA</i> , <u>91</u> :3072-3076 (1994).
u y	KV	Bugawan <i>et al.</i> , "A method for typing polymorphism at the HLA-A locus using PCR amplification and immobilized oligonucleotide probes," <i>Tissue Antigens</i> <u>44</u> :137-147 (1994).
u y	KW	Busch <i>et al.</i> "Mass spectrometry of large, fragile, and involatile molecules," <i>Science</i> , <u>218</u> :247-254 (1982).
u y	KX	Cantor <i>et al.</i> , "Instrumentation in molecular biomedical diagnostics: an overview", <i>Genet Anal.</i> , <u>14</u> :31-36 (1997).
u y	KY	Cantor, C.R. and Little, D.P., "Massive attack on high-throughput biology", <i>Nat. Genet.</i> , <u>20</u> :5-6 (1998).
u y	KZ	Cantor C.R., "How will the Human Genome Project improve our quality of life?" <i>Nature Biotechnol.</i> , <u>16</u> :212-213 (1998).
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u y	LC	Certified English translation of Japanese patent 6-294796, "Nucleic acid analysis method." <u>1994</u>
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u y	LE	Certified English translation of PCT Patent Application WO 98/03257, "Solid supports for analytical measurement methods, their production and their use." <u>1998</u>

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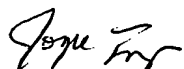
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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	APPLICANT Monforte, J. A. <i>et al.</i>	
	FILING DATE August 25, 1998	GROUP 1656

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S. J. T. W.

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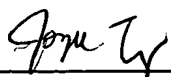
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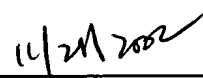
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S. J	SS	Shaler <i>et al.</i> , "Effect of Impurities on the Matrix-Assisted Laser Desorption Mass Spectra of Single-Stranded Oligodeoxynucleotides", <i>Anal. Chem.</i> , <u>68</u> :576-579 (1996).
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" "	TR	Valaskovic <i>et al.</i> , "Attomole Protein Characterization by Capillary Electrophoresis-Mass Spectrometry", <i>Science</i> , <u>273</u> :1199-1202 (1996).
" "	TS	Van Brunt, J., "Amplifying Genes: PCR And Its Alternatives", <i>Bio/Technol.</i> , <u>8</u> :291-294 (1990).
" "	TT	van den Boom <i>et al.</i> , "Forward and Reverse DNA Sequencing in a Single Reaction", <i>Anal. Biochem.</i> , <u>256</u> :127-129 (1998).

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*Joseph W*

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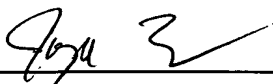
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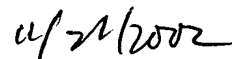
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